

FRIT INDUSTRIES, INC.

P.O. BOX 1589, OZARK, AL 36361-1589

PHONE: 334/774-2515

FAX: 334/774-9306

**MATERIAL SAFETY DATA TECHNICAL INFORMATION**

**SECTION 1—PRODUCT IDENTIFICATION AND USE**

PRODUCT IDENTIFIER: F-425 G

PRODUCT IDENTIFICATION NUMBER (PIN): N.Ap.

PRODUCT USE: FERTILIZER MICRONUTRIENT FOR BLENDING FOR SOIL APPLICATION.

MANUFACTURER'S NAME: FRIT INDUSTRIES, INC.

SUPPLIER'S NAME: SAME

STREET ADDRESS: JODIE PARKER ROAD

STREET ADDRESS: SAME

CITY: OZARK PROVINCE: ALABAMA

CITY: SAME PROVINCE: SAME

POSTAL CODE: USA 36360

POSTAL CODE: SAME

EMERGENCY PHONE NO: 334/774-2515

EMERGENCY PHONE NO: SAME

**SECTION 2—HAZARDOUS INGREDIENTS**

<u>HAZARDOUS INGREDIENT</u>	<u>%</u>	<u>CAS NUMBER</u>	<u>LD<sub>50</sub> OF INGREDIENT (SPECIFY SPECIES &amp; ROUTE)</u>	<u>LC<sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)</u>
Zinc Oxide	50-55	1314132	7950 mg/kg ORL-MUS	N.Av.
Zinc Sulfate	40-45	7733020	2949 mg/kg ORL-RAT	N.Av.

**SECTION 3—PHYSICAL DATA**

PHYSICAL STATE: Solid granular

ODOUR AND APPEARANCE: Slight metallic odor; brown granule

ODOUR THRESHOLD (ppm): N.Ap.

VAPOUR PRESSURE (mm Hg): N.Ap.

VAPOUR DENSITY (AIR=1): N.Ap.

EVAPORATION RATE: N.Ap.

BOILING POINT (C): N.Ap.

FREEZING POINT (C): N.Av.

PH: N.Av.

SPECIFIC GRAVITY: N.Av.

COEFF.WATER/OIL DIST.:N.Ap.

**SECTION 4—FIRE AND EXPLOSION DATA**

FLAMMABILITY:

IF YES, UNDER WHICH CONDITIONS:

(NOTE: In case of fire, water should be impounded to avoid washing into waterways.)

\_\_\_ YES \_\_\_X NO

MEANS OF EXTINCTION: N.Ap.

FLASHPOINT (C) AND METHOD: N.Ap.

UPPER FLAMMABLE LIMIT (% BY VOLUME): N.Ap.

LOWER FLAMMABLE LIMIT (% BY VOLUME): N.Ap.

AUTOIGNITION TEMPERATURE (C): N.Ap.

HAZARDOUS COMBUSTION PRODUCTS: Metal fumes, oxides of sulphur

EXPLOSION DATA: N.Ap.

SENSITIVITY TO IMPACT: N.Ap.

SENSITIVITY TO STATIC DISCHARGE: N.Ap.

N.Ap. = not applicable

N.Av. = not available

**SECTION 5—REACTIVITY DATA**

**CHEMICAL STABILITY:** IF NO, UNDER WHICH CONDITIONS?  
 YES  NO

**INCOMPATIBILITY WITH OTHER SUBSTANCES:**  
 YES  NO IF SO, WHICH ONES?

**REACTIVITY, AND UNDER WHAT CONDITIONS?** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**SECTION 6—TOXICOLOGICAL PROPERTIES**

**ROUTE OF ENTRY:**  
 SKIN CONTACT  SKIN ABSORPTION  EYE CONTACT  INHALATION  INGESTION

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:** Can cause nausea and fever, irritation of skin, eyes, and respiratory system.

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:** Can cause damage to respiratory, central nervous, urinary, blood, and reproductive systems.

**EXPOSURE LIMITS:** ZnO = 5 mg Zn/m<sup>3</sup>  
 ZnSO<sub>4</sub> = 5 mg Zn/m<sup>3</sup>

Source: ACGIH, TWA

**IRRITANCY OF PRODUCT:** Skin - rash; eyes - irritation; respiratory – coughing.

**SENSITIZATION TO PRODUCT:** No evidence

**CARCINOGENICITY:** Lead sulphate is classified as possibly carcinogenic to humans (IARC, 2B)

**TERATOGENICITY:** No evidence.

**REPRODUCTIVE TOXICITY:** Yes, due to chronic exposure to lead sulphate.

**MUTAGENICITY:** No evidence.

**SYNERGISTIC PRODUCTS:** No evidence.

**SECTION 7—PREVENTATIVE MEASURES****PERSONAL PROTECTIVE EQUIPMENT:**

**GLOVES (SPECIFY):** Heavy duty, leather gloves.

**RESPIRATOR (SPECIFY):** Approved NIOSH 3M8210 or better.

**EYE (SPECIFY):** Non-vented goggles.

**FOOTWEAR (SPECIFY):** Shoes.

**CLOTHING (SPECIFY):** Coveralls.

**OTHER (SPECIFY):** N. Ap.

**ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS):** Adequate ventilation to keep dust below exposure limits.

**LEAK AND SPILL PROCEDURE:** Avoid generating dust. Shovel or sweep up and reuse.

**WASTE DISPOSAL:** Empty containers and materials used in cleanup spills should be disposed of in accordance with Canadian laws.

**HANDLING PROCEDURES AND EQUIPMENT:** Avoid generating dust. Do not inhale dust. Avoid contact with skin and eyes. Wear protective equipment. Wash thoroughly after handling.

**STORAGE REQUIREMENTS:** Keep in dry area. Avoid spillage of bulk material or tearing of bags.

**SPECIAL SHIPPING INFORMATION:** N. Ap.

**SECTION 8—FIRST AID MEASURES**

**SPECIFIC MEASURES:** Inhalation – Remove to fresh air; seek medical attention.

Skin – Flush with soap and water. Contact physician if irritation develops.

Eyes – Flush with water for 15 minutes. Contact physician if irritation develops.

Ingestion – Contact physician immediately.

**SECTION 9—PREPARATION DATE OF MSDS**

**PREPARED BY:** Frank M. Dabney

**PHONE NUMBER:** 334/774-2515

**DATE:** March 20, 2002